

## Wi-Fi Tag for Temperature Monitoring

AiRISTA's A3 temperature tag is designed for monitoring and logging the temperature of assets. The A3 offers multiple sensors which can be used for humidity, different asset types, or temperature ranges. Utilizing advanced wireless network and sensor technologies, AiRISTA offers innovative, robust, and cost-effective environmental condition monitoring solutions.



### Industry-leading Location Accuracy

Using a standard 2.4 GHz Wi-Fi 802.11 b/g/n network environment, the A3 Temperature Tag tracks and monitors asset conditions. The temperature tags provide continuous readings of the environmental conditions at programmable intervals. The A3 Temperature Tag utilizes an existing Wi-Fi infrastructure to transmit environmental condition data in real-time for storing, processing, and alerting of abnormal conditions by sending notifications/alerts via email, SMS, or pre-recorded voice messages.

### Replaceable Battery

The A3 Temperature Tag has an easily replaceable lithium battery to ensure that an organization's reports are accurate and that facilities are up to standards.

### Track the Monitored Unit's Location

AiRISTA offers an optional feature for temperature tags with location monitoring enabled. This feature allows users to utilize AiRISTA's Healthcare Visibility Solution software to view the tag locations on facility maps.

### Features

- BLE 4.2 & 5.0 compliant
- Water Resistant
- Long-life, replaceable battery
- Multiple ways to attach tag to assets
- Motion sensor for determining transmission intervals to optimize battery life
- Optional internal and external temperature sensors
- General purpose tactile call button
- Chokepoint detection
- Visual indicators through multiple LEDs (based on model)
- Over-the-air programming and configuration capabilities
- Over-the-air firmware upgrade capability
- Cisco CCX compatible and support for layer 2 network protocol

## Radio & Technical

Sleep Mode Maximum Leakage Current: < 4 uA  
RX Wi-Fi with CCK/DSSS (1, 2, 5, 11 Mbits/s): 35 mA  
RX Wi-Fi with OFDM (6,9... 54 Mbits/s): 37mA  
TX Wi-Fi at +12 dBm: 125 mA  
Max Wi-Fi Output Power: 12 dBm  
Operating Current TX & RX Disabled: 18 mA RISC core operatin

## Electrical Interface

Replaceable 1200 mAH, 3.0V Lithium Battery  
Configuration: Over-the-air remote configuration

## Environment

Tag Operating Temp: -30° C to 85° C Probe  
Operating Temp: See chart below

## User Interface

One call button  
Removable tamper detection

## Operating Range

Up to 150 feet (45m)

## Physical

Form Factor: ABS plastic enclosure  
Weight: < 38 grams without battery  
Dimensions: L52 x W32 x H13mm

\*Specifications subject to change without prior notice.

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